

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2002-148291

(43)Date of publication of application : 22.05.2002

(51)Int.Cl.

G01R 27/02  
G01R 1/073  
G01R 27/04  
H05K 1/11  
H05K 3/00

(21)Application number : 2000-345556

(71)Applicant : IBIDEN CO LTD

(22)Date of filing : 13.11.2000

(72)Inventor : GOTO NOBUMASA  
KATO SHINOBU

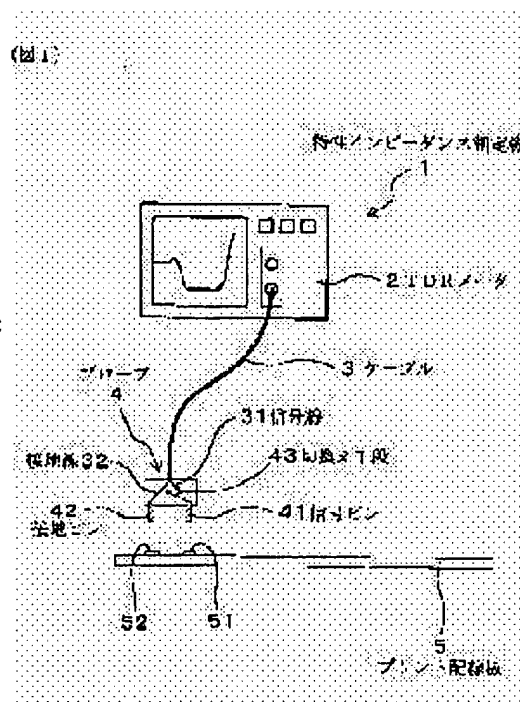
## (54) MEASURING INSTRUMENT FOR CHARACTERISTIC IMPEDANCE

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a characteristic impedance measuring instrument which can efficiently take a measurement, while surely performing electrostatic discharging.

SOLUTION: This characteristic impedance measuring instrument 1 has a TDR meter 2, which sends an electric signal to a printed wiring board 5 and receives the signal to measures characteristic impedance and also displays the measurement result and a probe 4, which is electrically connected to the TDR meter 2 via a cable 3.

The probe 4 has signal pins 41, which are made to abut against signal measurement pad 51 of the printed wiring board 5 and a ground pin 42, which is made to abut against a grounding measurement pad 52. The ground pin 42 is connected to a ground line 32 of a cable 3. The signal pin 41 has a switching means 43 for switching between connections with the signal line 31 and a ground line 32 of the cable 3.



## LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office